

wherein D1 and D2, independently, are selected from the group consisting of NH and NH₂,

wherein N represents any isotope of nitrogen,

wherein H represents any isotope of hydrogen;

"~", independently, is selected from the group consisting of a single bond and a double bond;

B represents, independently, any isotope of boron;

A1 and A5 are, independently, selected from a group consisting of a C, a CX moiety and an N,

wherein C represents any isotope of carbon,

wherein X represents any atom that forms a single bond with C;

each A2, A3, A4, A6, A7, and A8 are, independently, selected from a group consisting of a CX moiety, a CXZ moiety, a CZ moiety, an NX moiety, and an O,

wherein X and Z, are, independently, selected from the groups consisting of any atom that forms a single bond and any atom that forms a double bond with C or N and wherein O represents any isotope of oxygen;

wherein each Y1, Y2, Y3, and Y4 are, independently, selected from the group consisting of hydroxyl moiety and any reactive moiety that converts to a hydroxyl group moiety under physiologic conditions; and

L represents a linker moiety

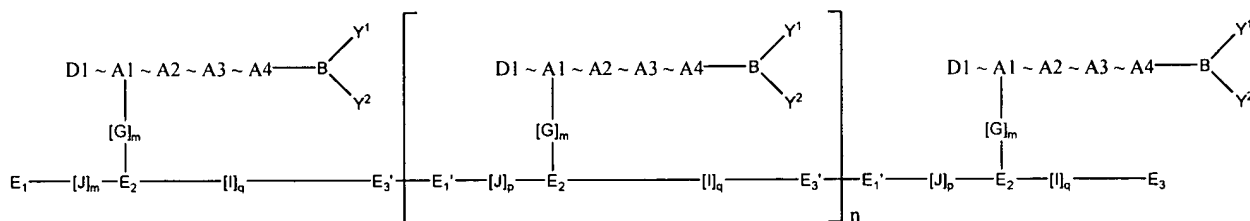
(i) having a molecular weight ranging between about 100 daltons and about 2000 daltons,

(ii) having a span ranging from about 20 Å to about 300 Å, and

(iii) containing a chain of atoms selected from the group consisting of a combination of C, O, N, S, and P atoms, connected by single bonds or by double bonds in

E1 conclude
 a manner that does not violate the laws of chemistry and wherein S represents any isotope of sulfur and P represents any isotope of phosphorous.

E2
 73. A compound, having the structure



wherein D is, independently, selected from the group consisting of NH and NH₂,

wherein N represents any isotope of nitrogen,

wherein H represents any isotope of hydrogen;

“~”, independently, is selected from the group consisting of a single bond and a double bond;

B represents, independently, any isotope of boron;

A1 is, independently, selected from the group consisting of a C, a CX moiety, and an N,

wherein C represents any isotope of carbon,

wherein X represents any atom that forms a single bond with C;

each A2, A3, and A4 are, independently, selected from the group consisting of a CX moiety, a CXZ moiety, a CZ moiety, an NX moiety, and an O,

wherein X and Z, independently, are selected from the group consisting of any atom that forms a single bond and any atom that forms a double bond with C or N and wherein O represents any isotope of oxygen;

wherein Y1 and Y2 are, independently, selected from the group consisting of a hydroxyl moiety and any reactive moiety that converts to a hydroxyl group moiety under physiological conditions;

n represents an integer between 1 and 200, inclusive;

wherein E1 and E3 are independently selected from the group consisting of a carboxylate, amino, imidazole, sulfhydryl, aldehyde, ester, amide, acid chloride, carbonate, and carbamate group such that the E1 and E3 react and form an -E1'-E3'- adduct with a covalent bond between E1' and E3';

wherein $[J]_p$, $[I]_q$, and $[G]_m$ together comprise a linker moiety, and wherein $[G]_m$, $[J]_p$, and $[I]_q$ represent, independently, a linker group (i) having a molecular weight ranging between about 100 daltons and about 2000 daltons, (ii) having a span ranging from about 20 Å to about 300 Å, and (iii) containing a chain of atoms selected from the group consisting of a combination of C, O, N, S, and P atoms, connected by single bonds, double bonds, or triple bonds in a manner that does not violate the laws of chemistry and wherein S represents any isotope of sulfur and P represents any isotope of phosphorus; and wherein m, p, and q represent, independently, an integer from 1 to 50, inclusive;

E2 conclude
E2 is selected from the group consisting of CX, CH, N, PYZ, PU, and B such that E2 is capable of forming a covalent bond with $[J]_p$, $[G]_m$, and $[I]_q$ and

wherein C is any isotope of carbon;

X is, independently, selected from the group consisting of any atom that forms a single bond with carbon;

Y is, independently, selected from the group consisting of any atom that forms a single bond with phosphorous;

Z is, independently, selected from the group consisting of any atom that forms a single bond with phosphorous;

H is any isotope of hydrogen;

N is any isotope of nitrogen;

P is any isotope of phosphorus;

B is an isotope of boron;

U is, independently, selected from the group consisting of any atom that forms a double bond with phosphorous.

Remarks

A Sequence Listing including all the sequences in the Specification is enclosed herein along with a computer readable copy of the Sequence Listing. Applicant submits that no new matter has been added to the Application by the amendment to the Sequence Listing and states